

MODEL 2500 SELECT

The Distek Model 2500 Select Bathless Dissolution System is the culmination of three generations of patented bathless technology with extremely short media heating times and dramatically smaller energy use. The system offers great flexibility and configurability. It can be configured as USP Apparatus 1, 2, 5 and 6 plus intrinsic dissolution. The extensive users, method and reporting storage capabilities are enabled by a brilliant touch screen. Patent pending wireless temperature sensors continuously monitor and display the in-vessel temperature for each vessel. Unparalleled control of the instrument plus automatic storage of component serial numbers and automatic qualification reminders make the Model 2500 Select robust and reliable enough for QC applications yet flexible enough for R&D use.

- **BATHLESS HEATING**

- Eliminates the water bath and all associated maintenance.
 - Heater jackets raise media temperatures from ambient to 37°C in less than 15 minutes, using considerably less energy in the process. Bathless design also allows high temperature operation up to 99°C.

- **WIRELESS IN-SHAFT TEMPERATURE SENSORS**

- "Patent Pending" wireless temperature sensors control and monitor the temperature.

- Continuously monitor, display and record the in-vessel temperature for each vessel
 - Ensure and document temperature compliance throughout the entire dissolution test
 - Eliminate additional labor to measure actual temperature in vessels

- **SERIALIZED COMPONENT TRACKING**

- Enter and track all serialized components including; paddles, baskets, basket adapters, shafts and vessels.

- **COLOR TOUCH SCREEN DISPLAY**

- The icon driven user interface lowers overall cost by reducing training time and user errors while maximizing productivity and command of the dissolution test.

- **ELECTRONIC QUALIFICATION GUIDANCE**

- Settable automatic electronic instrument requalification reminders eliminate missed validation dates and ensures continuous instrument uptime.

- **QUICK CHANGE PADDLES AND BASKETS**

- Interchangeable stirring elements coupled with the automatic height adjustment provide a fast transition between Apparatus 1 and 2 without having to remove the shaft.

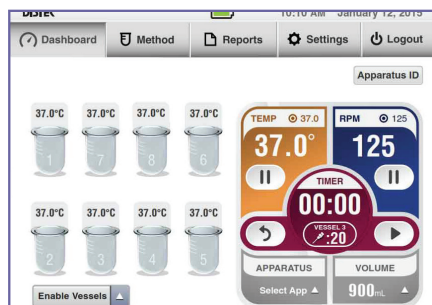
- **USP COMPLIANT**

- The use of bathless heating is fully compliant per USP General Chapter <711>.

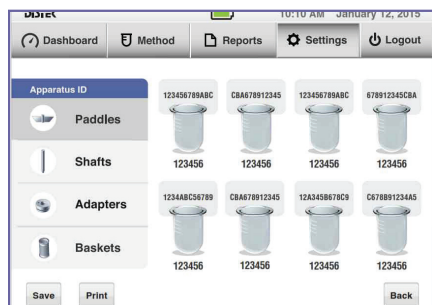


SPECIFICATIONS

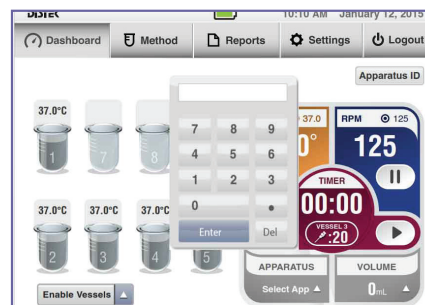
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|-----------------------------------|---|
| Dissolution Vessels | Six Vessels Standard (7 or 8 Optional) |
| Volume | 500 - 1000 mL Programmable |
| Vessel Heating Range | 2°C per Minute |
| RPM Control Range | 25 - 300 RPM, Digitally Controlled, Closed Loop |
| RPM Resolution | 0.1 RPM |
| RPM Accuracy | ±1 RPM up to 100 RPM and ±1% >100 RPM |
| Motor | High Torque, Permanent Magnet |
| Vessel Temperature Control | Ambient to 99°C, Independently Controlled High Watt Heater Jackets |
| Temperature Resolution | 0.01°C |
| Temperature Accuracy | ±0.25°C up to 45°C (Test Setting: Paddles, 900 mL, 50 RPM) ±0.50°C from 46°C to 99°C (Test Setting: Paddles, 900 mL, 50 RPM) |
| Shaft Wobble | Less than 0.010" / 0.254 mm (Total Indicator Runout) |
| Lab Temperature Min/Max | 20°C / 25°C |
| Lab Humidity Min/Max | 20% / 80% Relative Humidity |
| Display | 5.7" Color Touch Screen |
| User Management | Manage up to 50 Users with Multiple Access Levels |
| Program Modes | <ul style="list-style-type: none"> • Manual (Individual Vessel Control) • Automatic (Up to 100 Pre-Programmed Methods) • Distek EVO 4300, Eclipse 5300, Opt-Diss 405, Opt-Diss 410 |
| Interface Ports | USB, Ethernet, RS-232, RS-485 |
| Construction Materials | Cast Aluminum, Stainless Steel, Engineered Plastic |
| Dimensions | 27.5" (w) x 38.5" (h) x 19.5" (d) / (70 cm x 98 cm x 50 cm) |
| Weight | 75 lbs. / (36 kg) |
| Electrical Power | 115V ± 15V 50/60 Hz 15A or 230V ± 15V 50/60 Hz 8A (Operating Voltage Pre-Set at Factory) |



Dashboard screen with wireless in-shaft temperature sensors



Apparatus ID screen allows you to enter the serial # for each Vessel, Shaft, Paddle, Adapter and Basket



Dashboard screen with Volume Set



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